

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



FILED

08/01/22

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R2005003

Order Instituting Rulemaking to Continue
Electric Integrated Resource Planning and
Related Procurement Processes.

Rulemaking 20-05-003

**VALLEY CLEAN ENERGY ALLIANCE'S
AUGUST 2022 INCREMENTAL PROCUREMENT COMPLIANCE FILING**

Ann Springgate
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*Counsel to
Valley Clean Energy Authority*

August 1, 2022

**BEFORE THE PUBLIC UTILITIES COMMISSION
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**VALLEY CLEAN ENERGY ALLIANCE’S
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In accordance with Ordering Paragraph 1 of the California Public Utilities Commission’s (“Commission”) *Decision Establishing Process for Backstop Procurement Required by Decision 19-11-016* (“D.20-12-044”), Valley Clean Energy Alliance (“VCE”) hereby submits its incremental procurement compliance filing, both for general procurement and procurement to satisfy the requirements of D.19.11-016, D.20-12-044, and D.21-06-035.

This compliance filing conforms to the guidance and instructions provided by the Energy Division’s *August 1, 2022 IRP Compliance Filing & Data Request Filing Requirements Overview*, dated July 1, 2022, and *Resource Data Template Version 3: User Guide*, dated June 15, 2022.

I. ATTACHMENTS TO THIS FILING

VCE’s compliance filing includes the following documents:

- Attachment A: Officer Verification;
- Attachment B: Crosswalk Table;
- Attachment C: Resource Data Template Version 3; and
- Attachment D: Tierra Buena Commercial Operation Date Certificate.

II. CONCLUSION

VCE respectfully requests that the Commission find that VCE has made sufficient

progress towards achieving its incremental procurement requirements pursuant to D.19.11-016, D.20-12-044, and D.21-06-035, and decline to direct backstop procurement with respect to VCE's obligation.

Respectfully submitted,

/s/ Ann Springgate

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*Counsel to
Valley Clean Energy Alliance*

August 1, 2022

ATTACHMENT A

OFFICER VERIFICATION

I, Gordon Samuel, am an officer of Valley Clean Energy Alliance, and am authorized to make this verification on its behalf. The statements in the documents attached hereto are true of my own knowledge, except as to matters that are therein stated on information or belief, and as to those matters I believe them to be true. The spreadsheet formats used in the supporting documents used to file this report have not been altered from the version issued or approved by the Energy Division.

I declare under penalty of perjury that the preceding is true and correct.

Executed on August 1, 2022 at Davis, California

A handwritten signature in black ink, appearing to read "Gordon Samuel", written over a horizontal line.

Gordon Samuel
Assistant General Manager & Director of Power Services
Valley Clean Energy Alliance
604 2nd Street
Davis, CA 95616

ATTACHMENT B

Appendix B: Valley Clean Energy Alliance Crosswalk Table

Document Name	Resource Name	Milestone Requirement Met	Tranche(s)	Location	Notes
N/A	Leapfrog Demand Response RA	Milestone 3 – online	1	N/A	Documentation previously submitted on February 1, 2021.
N/A	Tierra Buena	Milestone 1 – executed contract	2	N/A	Documentation previously submitted on February 1, 2021.
N/A	Tierra Buena	Milestone 2 – site control, notice to proceed	2	N/A	Documentation previously submitted on February 1, 2022.
	Tierra Buena	Milestone 3 – online	2		
N/A	Aquamarine Solar	Milestone 3 – online	2 & 3	N/A	Documentation previously submitted on February 1, 2022.

ATTACHMENT C

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position	interconnection_substation	marginal_addition	marginal_addition_to
VCEA50002	AQUAWS_2_AQWSR1	Aquamarine Westside	Online	1117	Gate 230 KV PG&E Substation	NO	
VES110LLC	_NEW_GENERIC_BATTERY_STORAGE	Tierra Buena	Online	2694-WD	PG&E 12.47 kV Distribution	NO	
Leapfrog	_EXISTING_GENERIC_DR	Leapfrog Demand Reponse RA	Online			NO	
VCEA50006_MTR_Tranche_1	_NEW_GENERIC_SOLAR_1AXIS	Resurgence Solar	Development	repower project, no queue position		NO	
Tumbleweed_2026-2041	_NEW_GENERIC_BATTERY_STORAGE	CC Power Tumbleweed	Development	Q-1217	N/A	N/A	
Goal Line_2025-2040	_NEW_GENERIC_BATTERY_STORAGE	CC Power Goal Line	Development			NO	
Fish_Lake_2024-2044	_NEW_GENERIC_GEOTHERMAL	Fish Lake Geothermal	PlannedNew			NO	
Ormat_2024-2044	_NEW_GENERIC_GEOTHERMAL	Ormat Portfolio	PlannedNew			NO	

alternative_resource_name	total_nameplate_capacity	contracted_nameplate_capacity	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw	contracted_generator_mw
Aquamarine Westside	250	50	7	106722	NotHybrid			
Tierra Buena	3	3	3		NotHybrid			
Leapfrog Demand Reponse RA		7	7		NotHybrid			
Resurgence Solar	90	90	63	257843	NewSolarNewStorage	NO	90	90
CC Power Tumbleweed	69	3	3		NotHybrid	YES		
CC Power Goal Line		2	2		NotHybrid			
Fish Lake Geothermal		0	0		NotHybrid			13
Ormat Portfolio		5	5		NotHybrid			

alternative_resource_name	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness
Aquamarine Westside							
Tierra Buena					10	10	
Leapfrog Demand Reponse RA							
Resurgence Solar	75	75	1Axis	Li	300	300	4
CC Power Tumbleweed	69	2.86		Li	552	22.88	4
CC Power Goal Line	50	2.25		Li	400	18	3
Fish Lake Geothermal							2
Ormat Portfolio							4

alternative_resource_name	viability_technical_feasibility	viability_financing_sitecontrol	resource_mix	cam_d1911016_vamo_ghgfreeecia	buy_sell_own	counterparty	generator_supplier	developer_name
Aquamarine Westside				D.19-11-016	Buy	non-LSE supplier		NA
Tierra Buena				D.19-11-016	Buy	non-LSE supplier		NA
Leapfrog Demand Reponse RA				D.19-11-016	Buy	non-LSE supplier		NA
Resurgence Solar	2	5			Buy	non-LSE supplier		NextEra Energy Capital Holdings, Inc.
CC Power Tumbleweed	3	5			Buy	non-LSE supplier		LS Power
CC Power Goal Line	3	2			Buy	non-LSE supplier		Onward Energy
Fish Lake Geothermal	3	4			Buy	non-LSE supplier		Open Mountain Energy LLC
Ormat Portfolio	2	5			Buy	non-LSE supplier		Ormat

alternative_resource_name	capacity_area	capacity_sub_area	cpuc_approval_ref	county	COD_year	COD_month	COD_day	contract_start_date_year	contract_start_date_month	contract_start_date_day
Aquamarine Westside	PacGE			KingsCounty	2021	9	22	2021	9	22
Tierra Buena	Sierra	Sierra Pease		SutterCounty	2022	6	3	2022	6	3
Leapfrog Demand Reponse RA	PacGE			California	2021	6	1	2021	6	1
Resurgence Solar	SCE			SanBernardinoCounty	2023	5	15	2023	5	15
CC Power Tumbleweed	SCE			KernCounty	2026	6	1	2026	6	1
CC Power Goal Line	SDGE			SanDiegoCounty	2025	6	1	2025	6	1
Fish Lake Geothermal	NEVP			Nevada	2024	6	1	2024	6	1
Ormat Portfolio					2024	6	1	2024	6	1

alternative_resource_name	contract_end_date_year	contract_end_date_month	contract_end_date_day	contract_execution_date_year	contract_execution_date_month	contract_execution_date_day	tx_upgrades
Aquamarine Westside	2036	9	21	2020	2	14	NA
Tierra Buena	2032	6	2	2020	9	11	NA
Leapfrog Demand Reponse RA	2031	5	31	2020	9	11	NA
Resurgence Solar	2042	5	14	2021	1	21	YES
CC Power Tumbleweed	2041	5	31	2022	4	19	YES
CC Power Goal Line	2040	5	31	2022	5	18	NA
Fish Lake Geothermal	2044	5	31				NA
Ormat Portfolio	2044	5	31				NA

alternative_resource_name	tx_upgrade_date_year	tx_upgrade_date_month	tx_upgrade_date_day	tx_upgrade_description	d1911016_tranche	d2106035_procurement_cat	mtr_tranche1_NQC	mtr_tranche2_NQC	mtr_tranche3_NQC
Aquamarine Westside					2&3				
Tierra Buena					2				
Leapfrog Demand Reponse RA					1				
Resurgence Solar	2022	11	15	SCE Facility Upgrade		general	8	23	
CC Power Tumbleweed	2025	12	31	SCE Facility Upgrade		long_duration_storage			
CC Power Goal Line						long_duration_storage			
Fish Lake Geothermal						firm_ZE			
Ormat Portfolio						firm_ZE			

alternative_resource_name	mtr_tranche4_NQC_LDES	mtr_tranche4_NQC_firm_ZE	mtr_NQC_ZE_gen_paired_dr	previous_COD_year	previous_COD_month	previous_COD_day	remediation_plan	signed_contract	notice_to_proceed
Aquamarine Westside				2021	9	24	NA	YES	YES
Tierra Buena				2022	6	1	NA	YES	YES
Leapfrog Demand Reponse RA				2021	6	1	NA	YES	YES
Resurgence Solar								YES	
CC Power Tumbleweed	2.23652							YES	
CC Power Goal Line	1.7595							YES	
Fish Lake Geothermal		0.42						NO	
Ormat Portfolio		4.63						NO	

alternative_resource_name	public_contract	buying_energy_capacity	NQC_reporting_source	procurement_origin	csp_resource_category	csp_annual_2024	csp_annual_2026	csp_annual_2030
Aquamarine Westside	YES, but aspects of contract are confidential	EnergyCapacity	Calculated	D1911016	Solar Existing California (GWh)	130	127	
Tierra Buena	YES, but aspects of contract are confidential	CapacityOnly	In the contract	D1911016	Storage Resource Custom Profile (MW)	2.5	2.5	2.5
Leapfrog Demand Reponse RA	YES, but aspects of contract are confidential	CapacityOnly	In the contract	D1911016	Shed DR (MW)	7	7	7
Resurgence Solar	YES, but aspects of contract are confidential	EnergyCapacity	Calculated	D2106035	Hybrid_or_Paired_Solar_and_Battery (GWh)	265	262	256
CC Power Tumbleweed	YES, but aspects of contract are confidential	EnergyCapacity	Calculated	D2106035	Storage Resource Custom Profile (MW)	2.86	2.86	2.86
CC Power Goal Line	YES, but aspects of contract are confidential	CapacityOnly	Calculated	D2106035	Storage Resource Custom Profile (MW)	2.25	2.25	2.25
Fish Lake Geothermal	NO	EnergyCapacity	Calculated	D2106035	Geothermal (GWh)	3.45	3.45	3.45
Ormat Portfolio	NO	EnergyCapacity	Calculated	D2106035	Geothermal (GWh)	36.5	36.5	36.5

alternative_resource_name	csp_annual_2035	macro_supertype	notes
Aquamarine Westside		physical	
Tierra Buena		newgeneric	
Leapfrog Demand Reponse RA		existinggeneric	
Resurgence Solar	250	newgeneric	
CC Power Tumbleweed	2.86	newgeneric	
CC Power Goal Line	2.25	newgeneric	
Fish Lake Geothermal	3.45	newgeneric	
Ormat Portfolio	36.5	newgeneric	

ATTACHMENT D



June 3, 2022

EXHIBIT C: FORM OF COMMERCIAL OPERATION DATE CERTIFICATE

This certification ("Certification") of Commercial Operation is delivered by **VESI 10 LLC** ("Seller") to **Valley Clean Energy Alliance ("VCEA")**, a California joint powers authority ("Buyer") in accordance with the terms of that Agreement dated September 11, 2020 ("Agreement") by and between Seller and Buyer. All capitalized terms used in this Certification but not otherwise defined herein shall have the respective meanings assigned to such terms in the Agreement.

As of June 3, 2022, Seller hereby certifies and represents to Buyer the following:

- a) The Project is fully operational, reliable, and interconnected, fully integrated and synchronized with the Transmission System.
- b) Seller has installed equipment for the Storage Project with a nameplate capacity of no less than one hundred percent (100%) of the Contract Capacity.
- c) The Storage Project is fully capable of charging, storing and discharging energy up to no less than eighty-five percent (85%) of the Contract Capacity and receiving instructions to charge, store and discharge energy.
- d) Authorization to parallel the Project was obtained by the Participating Transmission Owner, PG&E on March 31st, 2022.

SELLER: VESI 10, LLC

Signature: 

Name: Elizabeth Helms

Title: Corporate Secretary for Viridity Energy Solutions Inc., Managing Member of VESI 10 LLC

Date: June 3, 2022

ENGINEER

Signature:

Name: **Benjamin J. Liu** 

Title:

Date:

VIRIDITY ENERGY SOLUTIONS, INC.

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